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line art or images are represented in different grey scale region structure types.

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24. A device having a surface relief structure which has a regular array of regions, each region being too small to be separately resolvable to the human eye, wherein a large number of the regions are micrographic regions with diffuse scattering characteristics, each micrographic region having one or more graphic elements, line art or text images presented in microscopic size in its surface relief structure so that each micrographic region appears to an observer to be a particular shade of grey when viewed from any direction.

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25. A device according to claim 24, wherein each micrographic region has an identical image represented in its surface relief structure.

26. A device according to claim 24, wherein each micrographic region has a structure which is one of a limited number of micrographic region structure types.

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27. A device according to any one of claims 19 to 26 wherein, when the device is illuminated by a light source and viewed by an observer, the observer sees in microscopic form an image which corresponds with a microscopic image represented in the surface relief structure of some or all of the regions.

28. A device according to any one of claims 19 to 27 further including a plurality of diffracting regions such that, upon illumination by a light source, the device generates one or more diffraction images which are observable from one or more ranges of viewing angles around the device.

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29. A device according to claim 28, wherein non-diffracting regions provide a contrast-enhancing dark background to the diffraction image or images.

30. A device according to claim 28, wherein non-diffracting regions provide grey scale enhancement to the diffraction image or images.

31. A device according to claim 20 or claim 24 wherein some or all of the regions are hybrid regions which include both periodic surface structure which has diffractive effects and graphic elements line art or images which have diffuse scattering effects.

32. A device according to claim 31, wherein microscopic text is embossed onto or engraved into the tops of diffractive periodic surface structure elements and/or between diffractive periodic surface structure elements.

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33. A device having a surface relief structure which has a plurality of light scattering regions, each region having a number of structures which scatter incident light in different directions, so that the region appears to an observer to be a particular shade of grey when viewed from any direction.